

SELECTIVELY CONFIGURABLE CIRCUIT BOARD

ABSTRACT OF THE DISCLOSURE

[0063] Embodiments of the invention provide thermally actuatable switches and selectively configurable circuit boards which may employ such switches. A circuit board of one embodiment includes a substrate having board leads and a plurality of electrical connectors arranged adjacent a component site. Selectively configurable circuitry may be carried by the substrate and adapted to selectively couple selected ones of the electrical connectors to selected ones of the board leads. One or more trace may be associated with each of the electrical connectors and one or more of these traces may include a thermally actuatable switch that can be selectively closed. The thermally actuatable switch may comprise a gap between two conductive lengths of the conductive trace, an exposed switch surface, and a thermally responsive member that may wet the exposed switch surface when selectively heated above an activation temperature.

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